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Sequence Listing was accepted.

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Reviewer: Keisha Douglas

Timestamp: [year=2009; month=4; day=10; hr=15; min=33; sec=12; ms=131;]

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Application No: 10584443

Version No: 3.0

Input Set:

Output Set:

Started: 2009-03-20 21:58:05.741

Finished: 2009-03-20 21:58:07.414

Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 673 ms

Total Warnings: 21

Total Errors: 0

No. of SeqIDs Defined: 31

Actual SeqID Count: 31

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
W 213	Artificial or Unknown found in <213> in SEQ ID (28)

Input Set:

Output Set:

Started: 2009-03-20 21:58:05.741
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Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 673 ms
Total Warnings: 21
Total Errors: 0
No. of SeqIDs Defined: 31
Actual SeqID Count: 31

Error code

Error Description

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<110> Pfizer Inc
Pons, Jaume

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<130> PC19492A

<140> 10584443

<141> 2009-03-20

<150> US 60/532,592

<151> 2003-12-23

<150> PCT/US04/43435

<151> 2004-12-23

<160> 31

<170> PatentIn version 3.5

<210> 1

<211> 123

<212> PRT

<213> Artificial

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<223> Synthetic Construct

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Arg Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Glu Ile Tyr Pro Ser Asn Ala Arg Thr Asn Tyr Asn Glu Lys Phe
50 55 60

Lys Ser Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Lys Tyr Tyr Tyr Gly Asn Thr Arg Arg Ser Trp Tyr Phe Asp
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Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser
115 120

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<211> 113
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<400> 2

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1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Ser Ile Asp Asn Tyr
20 25 30

Gly Ile Ser Phe Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
35 40 45

Lys Leu Leu Ile Tyr Ala Ala Ser Asn Arg Gly Ser Gly Val Pro Ser
50 55 60

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser
65 70 75 80

Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Ser Lys
85 90 95

Thr Val Pro Arg Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
100 105 110

Thr

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<400> 3

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<212> PRT

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<400> 4

Gly Tyr Thr Phe Thr Ser Tyr Arg Ile His
1 5 10

<210> 5

<211> 17

<212> PRT

<213> Artificial

<220>

<223> Synthetic construct

<400> 5

Glu Ile Tyr Pro Ser Asn Ala Arg Thr Asn Tyr Asn Glu Lys Phe Lys
1 5 10 15

Ser

<210> 6

<211> 15

<212> PRT

<213> Artificial

<220>

<223> Synthetic construct

<400> 6

Lys Tyr Tyr Tyr Gly Asn Thr Arg Arg Ser Trp Tyr Phe Asp Val
1 5 10 15

<210> 7

<211> 15

<212> PRT

<213> Artificial

<220>

<223> Synthetic construct

<400> 7

Arg Ala Ser Glu Ser Ile Asp Asn Tyr Gly Ile Ser Phe Leu Ala
1 5 10 15

<210> 8

<211> 7

<212> PRT

<213> Artificial

<220>

<223> Synthetic construct

<400> 8

Ala Ala Ser Asn Arg Gly Ser
1 5

<210> 9

<211> 9

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<400> 9

Gln Gln Ser Lys Thr Val Pro Arg Thr
1 5

<210> 10

<211> 338

<212> DNA

<213> Artificial

<220>

<223> Synthetic construct

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cagcagaagc cgggcaaagc accaaaactc ctgatctatg ctgcatccaa tcgggggttca 180

ggtgtcccat cacgcttcag tggcagtggc tctggtacag atttcacctt caccattagc 240

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338

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<211> 654

<212> DNA

<213> Artificial

<220>

<223> Synthetic construct

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ggtgtcccat cacgcttcag tggcagtggc tctggtacag atttcacctt caccattagc 240

agcctgcaac cagaagatat tgccacttat tactgccaac agagtaagac tgtgccacgc 300

actttcggtc aaggcaccaa gctggagatc aaacgcactg tggctgcacc atctgtcttc 360

atcttccttc catctgatga gcagttgaaa tccggaactg cctctgttgt gtgcctgctg 420

aataacttct atccacgcga ggccaaagta cagtgggaagg tggataacgc cctccaatcc 480

ggtaactccc aggagagtgt cacagagcag gacagcaagg acagcaccta cagcctcagc 540

agcaccctga ccttgagcaa agcagactac gagaaacaca aagtctacgc ctgcgaagcc 600

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<211> 369

<212> DNA

<213> Artificial

<220>

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cctgggtcaag gectggagtg gatgggcgaa atctacccaa gcaacgcgcg cactaactac 180

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tgggtcaaggc ctggagtggg tgggcgaaat ctaccaagc aacgcgcgca ctaactacaa 180

cgagaagttc aaatcccggtg tgaccatgac tcgcgatacc tccaccagca ctgtctacat 240

ggaactgagc tctctgcgct ctgaggacac tgctgtgtat tactgtgccc gcaagtacta 300

ttacggcaat acgcgtcgct cctggtactt cgatgtgtgg ggccagggtg cactgttac 360

cgtgtcctct gcctccacca agggcccac tgtcttccca ctggcccat gctcccgag 420

cacctccgag agcacagccg ccctgggctg cctggtcaag gactacttcc cagaacctgt 480

gaccgtgtcc tggaactctg gcgctctgac cagcggcggtg cacaccttcc cagctgtcct 540

gcagtcctca ggtctctact ccctcagcag cgtggtgacc gtgccatcca gcaacttcgg 600

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caccttcaga gtggtgagcg tgetgaccgt ggtgcaccag gactggtga acgaaagga 960

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gaagagcctg tccctgtctc caggaaag 1348

<210> 14
<211> 10
<212> PRT
<213> Homo sapiens

<400> 14

Trp Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 15
<211> 11
<212> PRT
<213> Homo sapiens

<400> 15

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
1 5 10

<210> 16
<211> 10
<212> PRT
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<220>
<223> Synthetic Construct

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<222> (8)..(8)
<223> X = R or W

<220>
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<222> (9)..(9)
<223> X = I, L, R or M

<400> 16

Gly Tyr Thr Phe Thr Ser Tyr Xaa Xaa His
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<210> 17
<211> 17
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<220>
<221> VARIANT
<222> (7)..(7)
<223> X = A, T, S, or G

<220>
<221> VARIANT
<222> (16)..(16)
<223> X = K or E

<400> 17

Glu Ile Tyr Pro Ser Asn Xaa Arg Thr Asn Tyr Asn Glu Lys Phe Xaa
1 5 10 15

Ser

<210> 18
<211> 15
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

<220>
<221> VARIANT
<222> (7)..(7)
<223> X = T or S

<220>
<221> VARIANT
<222> (8)..(8)
<223> X = R, Q, K, S OR Y

<400> 18

Lys Tyr Tyr Tyr Gly Asn Xaa Xaa Arg Ser Trp Tyr Phe Asp Val
1 5 10 15

<210> 19
<211> 15
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct

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<223> X = I or V

<220>

<221> VARIANT

<222> (8)..(8)

<223> X = N or S

<220>

<221> VARIANT

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<223> X = L or M

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<222> (15)..(15)

<223> X = A, T or N

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Arg Ala Ser Glu Ser Xaa Asp Xaa Tyr Gly Ile Ser Phe Xaa Xaa
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<210> 20

<211> 7

<212> PRT

<213> Artificial

<220>

<223> Synthetic construct

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<221> VARIANT

<222> (5)..(5)

<223> X = R, L, or Q

<400> 20

Ala Ala Ser Asn Xaa Gly Ser
1 5

<210> 21

<211> 9

<212> PRT

<213> Artificial

<220>

<223> Synthetic construct

<220>

<221> VARIANT

<222> (5)..(5)

<223> x = T, A, S or E

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Gln Gln Ser Lys Xaa Val Pro Arg Thr
1 5

<210> 22

<211> 10

<212> PRT

<213> Mus musculus

<400> 22

Gly Tyr Thr Phe Thr Ser Tyr Trp Met His
1 5 10

<210> 23

<211> 17

<212> PRT

<213> Mus musculus

<400> 23

Glu Ile Tyr Pro Ser Asn Gly Arg Thr Asn Tyr Asn Glu Lys Phe Lys
1 5 10 15

Ser

<210> 24

<211> 15

<212> PRT

<213> Mus musculus

<400> 24

Lys Tyr Tyr Tyr Gly Asn Ser Tyr Arg Ser Trp Tyr Phe Asp Val
1 5 10 15

<210> 25

<211> 15

<212> PRT

<213> Mus musculus

<400> 25

Arg Ala Ser Glu Ser Val Asp Asn Tyr Gly Ile Ser Phe Met Asn
1 5 10 15

<210> 26

<211> 7

<212> PRT

<213> Mus musculus

<400> 26

Ala Ala Ser Asn Gln Gly Ser
1 5

<210> 27

<211> 9

<212> PRT

<213> Mus musculus

<400> 27

Gln Gln Ser Lys Glu Val Pro Arg Thr
1 5

<210> 28

<211> 450

<212> PRT

<213> Artificial

<220>

<223> Synthetic sequence

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1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
20 25 30

Arg Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Glu Ile Tyr Pro Ser Asn Ala Arg Thr Asn Tyr Asn Glu Lys Phe
50 55 60

Lys Ser Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Lys Tyr Tyr Tyr Gly Asn Thr Arg Arg Ser Trp Tyr Phe Asp
100 105 110

Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Ala Ser Thr Lys
115 120 125

Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu
130 135 140

Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro
145 150 155 160

Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr
165 170 175

Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val
180 185 190

Val Thr Val Pro Ser Ser Asn Phe Gly Thr Gln Thr Tyr Thr Cys Asn
195 200 205

Val Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys Thr Val Glu Arg
210 215 220

Lys Cys Cys Val Glu Cys Pro Pro Cys Pro Ala Pro Pro Val Ala Gly
225 230 235 240

Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
245 250 255

Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu
260 265 270

Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg
290 295 300

Val Val Ser Val Leu Thr Val Val His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu
325 330 335

Lys Thr Ile Ser Lys Thr Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr

340

345

350

Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Met
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His
420 425 430

Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
435 440 445

Gly Lys
450

<210> 29

<211> 165

<212> PRT

<213> Artificial

<220>

<223> Synthetic construct

<400> 29

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
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Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Ser Ile Asp Asn Tyr
20 25 30

Gly Ile Ser Phe Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
35 40 45

Lys Leu Leu Ile Tyr Ala Ala Ser Asn Arg Gly Ser Gly Val Pro Ser
50 55 60

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser
65 70 75 80

Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Ser Lys
85 90 95

Thr Val Pro Arg Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
100 105 110

Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln
115 120 125

Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr
130 135 140

Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser
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Gly Asn Ser Gln Glu
165

<210> 30
<211> 123
<212> PRT
<213> Mus musculus

<400> 30

Gln Val Gln Leu Gln Gln Pro Gly Ala Glu Leu Val Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
20 25 30

Trp Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
35 40 45

Gly Glu Ile Tyr Pro Ser Asn Gly Arg Thr Asn Tyr Asn Glu Lys Phe
50 55 60

Lys Ser Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr
65 70